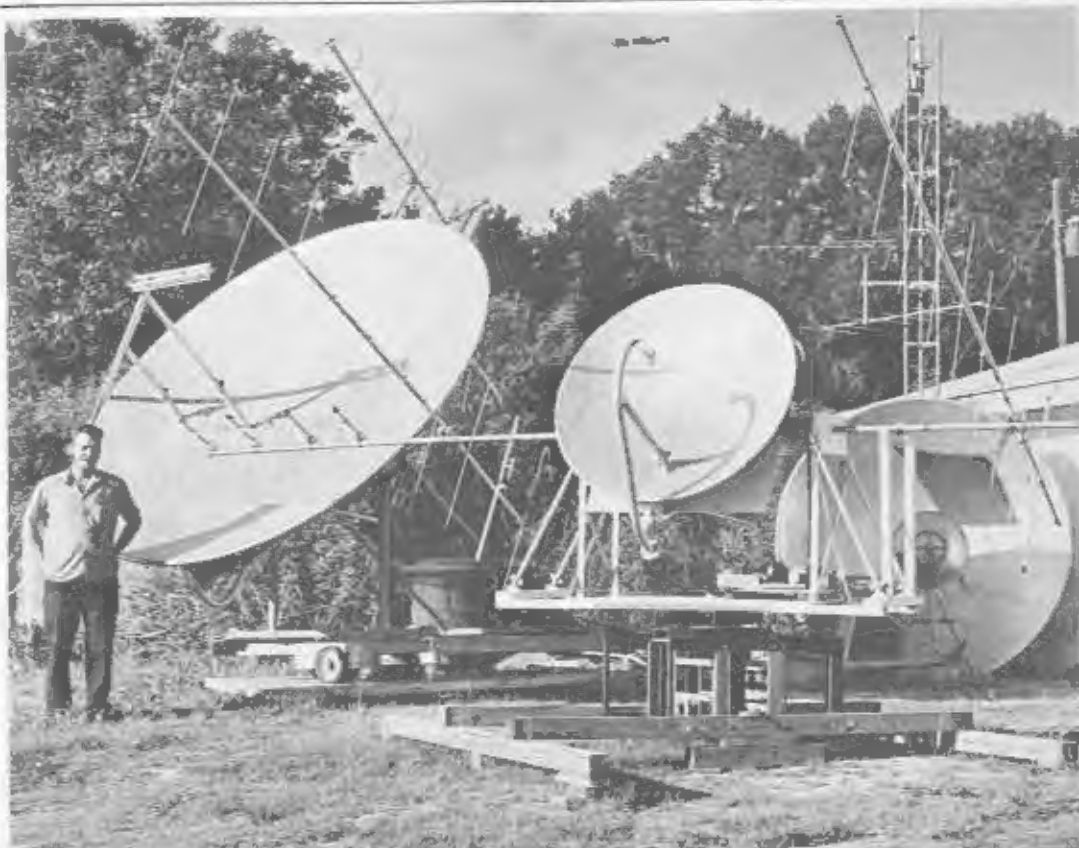


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(Continued on Page 16)



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2 / FLORIDA SKIP November, 1971



Letters To Editor

Dear Editor,

I would like, thru Florida Skip, to express my appreciation to the members of the "Knights of Kilocycle" Net, who on October 10, were gracious enough to permit me to break into the net with emergency traffic.

I had a flat tire on the Sunshine Skyway, on my way to work Sunday morning, as officer of the day at Bay Pines Veterans Hospital, St. Petersburg. I had no way to let the hospital know of my misfortune and the inevitable delay. Fortunately a member of the net relayed my message and alerted the hospital by telephone.

In the excitement I had no way to thank the individual members involved, and take this opportunity to publicly thank all members of the Knights of Kilocycle.

Sincerely yours,

Bernard Karpel, M.D., W4AASG
1324-37 Ave. E.
Bradenton, FL 33505

Just how many do you know,
Who run this QRO,
Will crank the current up,
Till the gallies fire,
Then a back a novice,
With a V.F.O.?

If you think you could use it without too much degradation to the Skip, consider it a donation.

Sidney S. Faulkner, W4AMRM-4 30-0610
University of Florida
Gainesville, Florida 32601

Editor, My pet peeve, or peeves, is first, those hams who deliberately interfere with WIAW code practice, and may I say that the interference is not near as bad here in Virginia as it was in Florida. From listening to some of the higher class hams in CW, I would say the majority could use a lot of practice.

My other peeve is the general or higher who come into the novice section of the band and drown out the novices with their 100 watts. A novice is restricted to a very narrow section of the band which is not true of higher type licenses.

Hope to some get a general ticket myself so I can make life miserable for the novices.

TS

Alex Edsall, W4NPXT
1303 Orchard Road
Richmond, VA 22226

Editor,

Would like more human interest stories and also more tech articles. Club meeting notices are OK. Usually club news interest a very small proportion of your total membership. It is like QST, where pages and pages are wasted just so some guy can see his name in print to the satisfaction of his ego.

L. W. VanSlyck, W4VM
406 Briar Air
Temple Terrace, FL 33617

Just how many do you know,
Who run QRO?

When the lights all dim,
And conebeams blue;
When the coax melts,
In the plaies' red glow,
When the elements sag,
And the traps all go,
Just how many do you know?

Just how many do you know?

VHF'ERS COLUMN

By Frank Shannon, K4GT

Welcome — what a wonderful word! We offer it, in its full depth, to WA2CYI-4, Nick, on his recent move to Tampa. The first thing he uncrated was his Swan 250-C Xevr and beam antenna. Your scribe QSO'd Nick on 50.150 MHz SSB and learned that his XYL gave plenty of QRN on his precedence of un-packing. Nick's next move is to FCC for a 4th District call-sign!

Welcome to a newcomer to wMtr FM — WB4WEI, "EB", of Ft. Myers, both mobile and base station rigs. His Dad, K4GEW, Ebert M. Long, is also quite active on 2 Mtr FM, also both mobile and base station equipped. Their mutual friend, WB4OYV, Ron, of Ft. Myers, really gets around on 2 Mtr FM!

Congrats to K4CNB, Ned, and to his XYL Nancy, WA4EDL, on

their acquisition of a Drake TR-6 Xevr for \$ Mtr SSB. WA4FEO, Barney, also joined the Drake TR-6 enthusiasts! We invite them to participate in the Medicare Net which operates daily on 50.150 MHz starting at 9:30 AM EDST (SSB, horizontally polarized). Once again, a reminder that this SSB net now offers certificates to all those requesting and qualifying. Contact K4ATW, Clay, for details. C'mon, you certificate hunters!

Your Scribe's base station (2 Mtr FM) is only about 2000 Ft. from the Tampa Bay Repeater (200 Watts) plus being too close to many other hi-powered FM'ers in the downtown Tampa area — thus experiencing much cross-modulation, and desensitizing, of other channels. We would like to express our thanks

to numerous TBRA members for their assistance and cooperation toward solving this receiver problem. Among those members, we especially appreciate the efforts of WB4KLW, Bill; WA4HAA, Ken; WA4SWC, Lee; and WB4IEA. C U next SKIP

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W4KLL Kissing Lovely Ladies
K4FMA Fighting Mad Amateur
W4HFD Hot Field Day
W4IMU I'm Monkeys Uncle

W4LFL Little Fat Little

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AIR FORCE MARS

By J. R. Hopkin Jr.
WB4BND-AFC4BND

Not much news this month to write about except S.M.S. Bill Atkins, AFB5STC has retired and will be leaving the program around the last of October. Bill was Lou Leger's right hand man. He will be missed around Southern Comm Area headquarters as well as on the air as on the command net Monday nights.

The Miami 2 meter net has a new net manager, Al Shaw, AFB4FZV. Al, you may remember was mgr. before and will take over from Bob Hargrove AFC4NSS. By the way, Georgia has a new SMD, Ken Marshall, AF4KRE.

This being the fall of the year, propagation is changing. The RATT net has moved back to their 3 meg frequency as the 7 meg frequency no longer propagates at the time the net is running. Another item to think about is those adjustments to the equipment outside the house you have been putting off 'til cooler weather are due. Don't forget we are just before getting into our busiest time of the year, get them done and out of the way so you can concentrate on your traffic handling.

It is also time to think of our annual meeting at the Miami Hamboree. I look forward to



MAURO LAMBERT WB4KFE of Tampa works a Novice a day. Mauro was an old sea going radio operator back in the 40's and enjoys helping the newcomers with their code problems.

seeing all those who are able to make it down. Alan Strauss, AFB4JTK who has done such a good job in the past will be in charge of the arrangements again this year. He'll be glad to make any arrangements about reservations etc. for you, just contact him either on the air or at home. Any of the Miami stations can get a message to him if you do not catch him on the air. The dates for the Hamboree are Jan. 22 and 23.

NORTH FLORIDA NAVY MARS

By Bonnie Wieboldt NOPJQ
North Florida has experienced increased activity during the month of September. Traffic has increased, as has daily check-ins to the nets.

Jim, NOLNB in Tallahassee and Don NOIHL in Pensacola (Alabama area) have been

conducting experiments with their URC-40s on 2 meters and have been able to establish reliable communications. This is the first in the series of experiments to try and establish statewide communications on two meters, via points in Tallahassee, High Springs, Jacksonville, Leesburg and points south.

This writer has accumulated an obvious lack of information for this column. Unfortunately, I cannot meet every net that there is, due to school and other activities. Please contribute.

DOINGS IN SOUTH FLORIDA

By Arthur H. Lynch, W4DKJ
Boy, oh boy, have we had a time!

First, we heard that Case, W4NGR, who is present MC, of the Florida Sidebanders, came through a hospital siege with flying colors and is back on the job which he is doing so well for us.

On Monday, the 4th, Col. Don Anderson, who commands the Lee County, Civil Air Patrol, flew me over to the meeting of the Gold Coasters. His wife, Doris, accompanied us and joined the ladies for lunch. Don Martin, W4OGJ, met us at the Pompano Beach Airport and took us to the Captain's Table and had lunch with us. On the way from our plane to the HQ Bldg. we heard someone talking on the public address system. I remarked about the quality being better than I had ever heard on a PA system and the other agreed. Don was very pleased — he had installed it!

Well, that was only the beginning of a great day for me and several of those attending. Dick Gentry, now W4CJH, living in Boca Raton and a partner in the LYNCH-GENTRY Corporation, in both New York and Florida, who had just come from the hospital in Atlanta, and J. Alan Biggs, K4AA, now of Ft. Lauderdale, also a partner of mine, in the Ly-Biggs Sales Co., in N.Y. and "Bill" (General) Hamlin, W4WH, of Pompano, also

(Continued on Page 14)

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Tavares	
Miami Tropical Hamboree	Jan. 22-23
A.R.R.L. Set	Jan. 29-30

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FCC's annual report for fiscal 1970 has finally become available in quantity, some six months later than usual. As to amateurs, pertinent excerpts are:

"Fiscal 1970 was the first year that the Amateur Extra Class and the Advanced Class of operators recorded over 10,000 and 50,000 individual licenses respectively. This significant achievement of increasing quality and performance is attributed largely to the Commission's 'Incentive Licensing' program.

the telemetry signals heard during the entire 23-day life span of the satellite."

However, another section dealing with monitoring and enforcement is not so complimentary:

"An appreciable increase in violations has resulted from use of frequencies previously available to the vast majority of amateur licensees but lately restricted by Commission action to holders of Advance and Extra Class licenses or Extra Class only, a much smaller group of licensees. Such violations are expected to diminish rapidly as licensees either become accustomed to the new restrictions or upgrade their licenses to Advance Class or Extra Class.

Class. "Obscenity in violation of Sec. 1464 of the Criminal Code, Title 18, U.S. Code, continued to be a monitoring problem of considerable magnitude because of disproportionate enforcement effort involved in developing individual cases. Several new cases were initiated this year and are pending.

"The number of notices issued for other categories of violations totaled 2,491 as against 2,464 for the previous year." (From WIRW in Dir. Letter 1404)



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WEST PALM BEACH

By Clara B. Stables
WB4NKR, Secretary

Ninety-three persons, from babes in arms to octogenarians, enjoyed a chicken barbecue dinner on October 3, at the clubhouse. Harold Kilpatrick, WB4NPN, engineered the feast; members' wives brought covered dishes and harmonics; Bill Howell, WB4PQB, cooked for five hours straight with a few coffee (17) breaks; Bob Carrión, WB4PUX, headed the House Committee. John Kimberly, WN4VAQ, was photographer. Member Russ Sykes, WN4QLG, our own State Representative, explained a few local issues. Gets his gift of gab from W4HRB.

On Saturday, October 16, from 10:00 A.M. to 4:00 P.M.; and on Sunday, October 17, from 12:00 P.M. to 4:00 P.M., the Club was open to Boy Scout Jamboree on the Air. Area scouts (boy and girl) were able to make contact with other scouts in various parts of the country. Stations were manned by Club members who also demonstrated to the scouts the use of radio equipment. Bill Sprague, WB4QUH, headed this committee.

On October 20, an ARRL film on the Transistor was shown to an audience of 45 in the Hostess Room of McArthur's Dairy. This film covered the background, the characteristics, and the application of transistors in electronic circuits.

EVERGLADES AMATEUR RADIO CLUB

By Dick Dowst, WB4HZK

The Everglades Amateur Radio Club held its regular monthly meeting on September 10, 1971 and as usual we are too late for the current month and are always a month late in the report.

The turnout has been improving as of late due to the fact that every one is back from vacation and hard at work for another year or so. In fact that is the reason we missed the last two monthly reports, but now we hope to keep it regular again.

Our president Paul Stevens WB4DCJ has some very interesting guest speakers lined up for the remaining coming months and our meetings should prove very interesting and intellectual to say the least.

Again we would like to thank Bob Heaton, WB4IPZ, for the excellent job that he has done in establishing the Homestead

Civil Defense communication system, and also Randy Payne, K4EZM, for the very fine job that he is doing as net controller. One thing is for certain, that if we ever do have an actual emergency here in Homestead we will not be without communication with both these fellows on the job.

Bob tells me that he can still use some more help through volunteers so if you live in the South Dade Area and are interested in this very worthwhile project please feel free to contact either Bob or Randy.

So 'til next month, 79 and good luck.

WESTERN FLORIDA NEWS

By Frank M. Butler, Jr., W4RKH

Pensacola: WB4SBD and K0BAD-4 joined W4NOG in PSRR listing this month. Both are active on RNS as well as Section Nets. W4BIM, WA4IZM, WB4EQU and W4EDJ earned WFPN Section Net Certificates. New hams include WN4WNG and K0JEV-4. K4PKV was 6-meter NCS for September. WB4BSZ and K4PKV competed in the VHF QSO Party. The W4UC annual fish fry at W4ETE's QTH was a big success. New Civil Defense Comm. officers are K4BVV, W4SRM, WA4IZM, WB4JCV and K4IVD. K4SVX upgraded to Advanced Class.

Milton: WB4ITZ is QRL with night classes at PJC. WN4WMD is a new ham up in Jay.

Fort Walton: New officers of the NW Fla. FM Assn. are: President—W4UNV, V.P.—W4RKH; Sec'y.—K4ZXC; Treas.—WB4TPR. K0TRV, K4GBB and his XYL, WB4MTD, are new hams at Eglin AFB, Panama City. The WB4QER repeater now has its solid-state I.D. generator working.

Chipley: W4IKB set up a suitcase HF SSB station, complete with antenna, coax, mike and SWR bridge, for emergency use.

Blountstown: WB4UQH has a new base station 2m antenna, installed so that he can connect to his mobile in emergencies.

Tallahassee: An antenna site for the 2m repeater has been obtained. WB4WKI is a new call in town. The WFPN and QFN need more check-ins, and even an NCS, from Tallahassee. How about it, you traffic men?

DELTONA HAM NEWS

By C. Keith Street, G3DKS-W4

Jack Six, W4YPA is away from Deltona with XYL Elsie on a trip to his former home State of Ohio. We miss Jack's

cheerful presence and look forward to his return.

In the meantime, I have at Jack's request been filling in as Net Control on the Deltona CD net and the State of Florida QCWA net, which as nearly everyone knows meets each Sunday at noon on 7254 kc-s.

I regard it as a signal honor to be asked to run these nets after being on the air in Florida for only 6 months, and no doubt "readers of the mail" have been puzzled to hear a Britisher at the Net Control mike! I must express my thanks for the kindness and consideration shown me by all concerned, especially to Charlie K4HS, Lee W4CNV and Russ W4YLR, who helped out when I was temporarily off the air.

The 28605 kc-s CD net which meets each Friday at 1900 comprises stations from Deltona, DeBary and Orange City. It certainly performs a useful function and in addition the exchange of local gossip is most enjoyable. Also with the present ship conditions, one never knows when a W6 will call in.

WB4HAK in DeBary has a fabulous collection of historic radio gear which some of us remember when it was new! The QCWA net became quite international this month, with Dave and Ray calling in from XE3, and Mike from 6Y5.

75 from the Deltona Gang.

TAMPA AMATEUR RADIO CLUB NEWS

By Frank Shannon, K4GT

Our opening meeting, following our summer vacation period, was well attended. We enjoyed our guest speaker, Joe Meksrattis, W4IGX, of WFLA-TV Channel 8 Engineering staff. Joe related many humorous and informative incidents and techniques of TV camera handling. Joe is a member of USAF MARS local net. Thanks Joe for a job well done!

Our treasurer, John Munro, WB4BAF, is away on a temporary civilian job with the U.S. Coast Guard in Washington, D.C. It is a special arrangement with his schooling. Our Secretary O.G. Dodson, WB4DJM, is assuming our treasurer's responsibilities temporarily.

Your scribe has been designated as chairman of an "ad hoc" nomination committee to submit names for the vacancy of Vice President caused by the recent death of Dan Reynolds. These names are to be voted on by membership

at a coming meeting. The member elected is to serve the unexpired term of Dan, W4COP.

Armin Smith, WB4UPZ, having just received his General ticket is now the proud possessor of Drake T4XB xmtr, R4B rx, and associated gear, including a Ham-Motor and Mosley CL-33 beam. His son, a licensed novice is eyeing that receiver, R4B, for use with his novice-xmtr!!

Al Cito, WB4MXV, is doing a bang-up job of procuring guest speakers for our coming meetings — so try to make our TARC regular meetings — don't miss the fun!! When Al is present you're guaranteed belly-laffs!! C U at TARC — and in next SKIP.

HOLLYWOOD AMATEUR RADIO CLUB

By Minnie Levine, W4RLS

The fall semester of radio classes for general and novice class got under way on Oct. 7. The instructors are Tom Middleton and Brother Les Dwyer, at Chaminade, Thursday evenings at 7:30, in the Science room.

November is election month and club members should come prepared to vote for their officers for the coming year.

The Christmas dinner is slated for December 11, Saturday evening, at Tropical Acres, at 8 p.m. Tickets may be obtained by calling Minnie at 966-3355. Installation of officers and awards will be presented at the dinner.

Kevin, WB4HML and Kim, WB4LZQ, are the happy owners of Gladding 2 meter FM rigs.

Kim and Chris, WB4RSV, have volunteered as Sweepstakes operators of our club station WB4TON. Kim will be on CW on Nov. 13 and 14, Chris on phone on Nov. 20 and 21.

Be an active member. It's fun. Visitors are always welcome.

ORLANDO ARC

By Herb, W4LSR

Annual elections were held at our September meeting with these members elected: Brownie, W4UUI, President; Gil, WB4QPW, first Vice President; Monty, K4VFW, second Vice President; Elinor, WA4ITP, re-elected Secretary and Ralph W4ZVX, Treasurer. Several days afterward Brownie announced that his firm is transferring him to a better job in

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TROPICAL HAMBOREE

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EXHIBITS - SWAP SHOP - MEETINGS

Niant. A special election will be held at the next regular club meeting to elect another president. Meanwhile back at the September meeting Bob, W4MPQ, and Jim, W4PAD, agreed to start a Novice class in code and theory. These new members were voted into the club: Bob, W4REY-4; Jack, W4SAMP-4; Michael, W4HYA and Jim, W4RVF.

Two of our club members are known to your reporter to have been in and out of hospitals in September. They were Case, W4NGR, and Charles, K4AXB. Jess, W4CLJ and his XYL spent a week in Lexington, Ky, visiting their son and his family. Herb, W4LSR and his Eleanor, W4ITP gave each other a SWAN FM-2X for their 62nd wedding anniversary. They also replaced their slip-up antenna mast with an aluminum tower.

Moody, K4YFV, bought a hike for exercising. He insists he is not adding a 2 meter mobile at this time. Nat, W4YSO and his XYL are still camped in the Tennessee mountains and Nat in QSO with this reporter, said that they are waiting for Orlando to cool off before returning home.

FT. MYERS CLUB NEWS

By Ken, W4SMK

Our guest speaker at the October meeting, Father Hardy, W4VFI, was unable to attend due to church business. W4VFI has recently moved from Ft. Myers Beach to a church in Lehigh Acres, and we hope to have him on another program at a future date.

Several of the club members who had been on foreign vacations told of their experiences. Club Pres. Ed Long, W4GEW, told of his trip down to Mexico City. He had good success with the two meter FM rig along the way, and reports that the amateurs in the western states have some very fine repeaters, and are most hospitable to visiting hams.

Herb Reaves, W4KET, related his experiences on a fast ten day tour of Rome and other points of interest in Italy. Herb did not get to see any of the amateur stations there, but he and the XYL were much impressed by some of the Italian scenery.

The club secretary, John McMillan, W4PSI, is editing a quarterly club bulletin called, "Oscillations." The September issue was fine, and the next bulletin will appear in January 72. Anyone having anything of value for the bulletin contact W4PSI.

A two meter FM association is being formed in connection with the FMARC. Main object at present is to get a repeater going in the Ft. Myers-Lee County area. There are a dozen stations on two FM here now, with most of the activity on 146.94 simplex, with 146.88 alternate. If you are interested in the FM Association contact, W4PJG, K4GEW, W4OYV, or any of the others active here who can fill you in on the details.

The local six meter simplex frequency is 52.525, and a ten meter frequency of 29.600 has been proposed also. There is also a two meter A1 net active that is being used for Civil Defense.

Al Spear reported that two novices have graduated from the FMARC radio classes. Two new club members are Leo, W4KA, and John, W4PPYN.

COUNTRY COUSINS

By Stan Offenhutter, K4BLM

A cordial invitation is extended to all to attend our Annual Jamboree and Dinner at the Tavares Civic Center in Tavares on Saturday, November 6. The menu will consist of southern fried chicken, mashed potatoes, vegetables and home made pie. Please make reservations with Howard McNeely, W4DRM, Pres. Adults \$2.50, children under 12, \$1.50; an auction will follow with proceeds going into the Country Cousins Project Fund.

Many thanks to Jerry, W4TPI, for his



TOM SMITH W4RGQ-AFN4RGQ is active on Novice and Air Force MARS nets. He works mostly on 2 and 15 meters. He also has receiving capabilities from 150 kHz to 156 MHz with beams and long wires outside.

help in donating a code practice oscillator and key which will be used by a young prospective ham.

Those of our Cousins who attended the Melbourne and Tampa Hamfests enjoyed their eyeball QSO's!

As of this writing, Dick, W4SKC was confined to the hospital with a kidney infection. We all pray for a speedy recovery and extend our best wishes to him.

A welcome to all to join us every night at 10 p.m. EDST on 3970 KHz. A certificate is given by the net. Please check in for particulars.

FLORIDORA NEWS

By Charlotte Frazier, W4PEL

DON'T FORGET FLORIDORA WEEK — January 9th thru 15th, 1972.

W4EHN, Betty, has a real busy month scheduled. First trip to Disney World and then Thanksgiving with her son and his family in Wisconsin. Remember to let us know all about it when you return.

The Melbourne Hamfest had a very good representation of Floridors: W4BAV, Cathy; W4BWR, Ruth; W4HRC, "Little Bo"; K4KZT, Lucille; W4SIL, Cuddy and W4WYR, Evelyn. Bartow Hamfest also showed a few Floridors: W4BAV, W4GZN, W4YNYX. Hamfests are great opportunities for us to get together. Wish there were more.

Hope W4FJN, Rosalie's OM and

W4AULR, Mimi's OM are well on the road to recovery by now.

K4RHL, Ellie, has received her DXCC certificate for 200 countries. Congratulations! Ellie has been very active on the Emergency Net due to all those hurricanes in her area.

W4OBY, Dorothea's "Do-Your-Own-Thing" Group is growing. The idea of getting help with any hobby or project makes this group very successful.

Hope everyone has a great holiday and remember to let me know if you do anything interesting.

SILENT KEYS

We are deeply sorry to record the passing of the following amateurs:

K4SAG, Ray Meddows, Miami Spgs-Newman, Ga.

K4FBS, Charles Burgess, Port Richey.

K4IS, M. Howard Osborn, Ormond Beach.

W4VYQ, Alfred R. Weismantel, Largo.

W4CNO, R. G. "Bud" Stevens, Ft. Lauderdale.

Signs By Tom

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SALVAGING A MULTI-BAND BEAM

By Bob Patten, W4OZF

Part II Multi-band Vertical for Portable Use

If your beam came down in a storm, the aluminum tubing used for the elements is most likely good only for scrap metal. Several of the twelve traps in your tri-bander should have survived the experience, however. Of course, if they all made it, the obvious approach is to buy some new tubing and rebuild the beam. If you managed to salvage only a few of the traps, you still have material for a very effective multi-band vertical. Two traps, about 15 feet of tubing, and some miscellaneous hardware are all the material required for this antenna.

The base for our multi-band vertical is designed to screw into a mobile ball mount. It is made by sandwiching ten $\frac{3}{8}$ " diameter flat washers on a $1\frac{1}{4}$ " long $\frac{1}{2}$ " - 24 bolt. This leaves about $\frac{1}{2}$ " of thread exposed to screw into the ball mount. The sandwiched washers are clamped into one end of a length of 1" diameter aluminum tubing. The tubing is first slotted to allow compression, and a 1" hose clamp is fitted over the tubing. The same bolt and washer combination may be used at the top of the vertical to allow mounting of a 40 or 80 meter Hustler resonator. This gives the antenna five band capability (four bands without changing the top resonator).

Tubing lengths will depend on the ground system used or the vehicle on which the antenna is mounted. The length from the base to the first trap will be approximately nine feet. The lengths between traps and in the top section will have to be determined during tuning. The original lengths used in the tri-bander will probably be too short for this antenna. The nine foot lower section is made from two 5 foot telescoping sections. The antenna is transported in three pieces: the nine foot base section telescoped down to five feet, the trap assembly, and the Hustler resonator. Assembly at the operating site takes only about two minutes.

Tuning is accomplished as on most trap antennas. The nine foot section is first adjusted for resonance on the desired 10 meter frequency; the section between traps is adjusted for resonance on 15; and, finally, the top section is adjusted for 20 meters. If the top section is tuned with the 40 meter resonator on it, retuning will be necessary on 20 meters if the resonator is removed. The top sections of the 40 and 80 meter resonators will have to be shortened considerably and their band width will be greatly improved with the longer mast.

My 4-bander is mounted on the right front fender of my VW Squareback. Although the antenna is about 17 feet high, the mobile mount is rugged enough to support it even during high winds. In fact, I have done some limited driving with no problem encountered.

Some rough checks were made on the performance of this antenna. Comparisons were made against a Hustler mobile mast using the various resonators. The Hustler showed increased directivity over the hood of the car; the 4-bander appeared omnidirectional. On 20 meters, the 4-bander showed about 3 db increase in signal strength over the Hustler in its best direction. On 80 meters, the Hustler mast and resonator showed a band-width of about 30 kc; the 4-bander with the 80 meter resonator covers about 100 kc on 80. Along with this improvement in performance is the ease of band changing which is extremely useful during contests.

Robert D. Patten, W4OZF



JACK WEISS WN4UZZ, 18 of Ft. Myers owns this neat station. Jack is a member of Ft. Myers ARC, ARRL and RCC. He works mostly on 15. Licensed since April he thinks amateur radio is a wonderful way to spend a summer. (Photo by WN4TZX)

UNCURABLE DISEASE

FROM THE PEN of that Mr. L. W. McGehe, KBK-7649, in Citizen Band News who gave us the humorous "Hams Can Be Cured" editorial (Florida Skip, August '71) comes now another timely and factual commentary on the state of the 11-Meter art. Certainly no one of us can hope to challenge the accuracy of these statements in which Mr. McGehe displays a striking knowledge of the subject nor his obvious sincerity in "telling it like it is" for, truthfully, CB has become a "Deplorable Situation."

Reproduced here in its entirety and without any editing, we suggest you study it carefully and file it for future reference — a future which could find us again petitioning Tallahassee . . . W4BRB

"It is inevitable that CB radio has contacted a incurable disease, the complete coverage of all channels of illegal skip talkers with handles, fictitious numbers, linear amplifiers and ridiculous conversations. The legitimate operator is plagued to no end with this misuse of the

CB radio.

Those of us who are 'help organizations' furnishing safety communications wherever they be needed, are constantly jammed between several people using the channels at the same time. It would be useless to ask them to stay off of the legal channels they could use the upper channels 18-19-20-21 etc.

While on vacation I had my Gold Coast signs on my car the whole trip. In stopping for fuel on numerous occasions, the owner of the station would tell me about having CB equipment at the station and in his trucks and cars, but on account of illegal operators he could not use his equipment. Consequently they sold some. Of those who tried to monitor channel nine, they received very few calls. One to misuse of the channel most calls come from relay on telephone from other operators on other channels. A Deplorable Situation.

Pres. L. W. McGehe
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RADIO'S GOLDEN AGE

Ham Radio in the '80s Was A
Mess—Until CRAP!

The Golden Age of Amateur Radio began in January 1981, with the formation of the Civilian Radio Amateur Patrol (CRAP), whose purpose was the self-policing of the amateur bands.

This policing action was accomplished through the use of a number of novel practices such as jamming, catcalls, personal attacks on individuals who were abusing the air waves, and even an occasional call to the FCC.

Vast coordination through nets and one ring telephone calls insured that all culprits would be set upon as soon as possible after committing an atrocity. Mobiles roamed the countryside in search of violators, hoping to get their hands on the villainous fiends who broke the law.

Within months of the CRAP's debut on the ham bands, illegal practices on the air were virtually wiped out. In fact, so were many annoying practices not previously considered illegal, but now under close scrutiny by the Patrol, which had become quite adept at deciding legal questions while doing the job.

Then, in mid-1981, Virgil Ante, K6SOB, President of CRAP, called upon members to use their newfound powers to make ham radio "pure and good."

He called for a change in the Patrol's motto from "Conversational Discipline" to



50 YEARS AN amateur is a long time! Harold E. LaMarche, Sr. K4GD (left) receives his 50 YEAR QCWA AWARD from SE Chapter Chairman Walt Kinsey, W4GJ. The award was made recently at the dinner-meeting of the QCWA in Miami. All old timers are invited to attend dutch treat at Smitty, 3290 NE 2nd Ave. at 6:30 PM the first Thursday of each month.

"conversational purification."

Immediately the Patrol's Central Committee drew up a list of acceptable topics to discuss over the air, such as "The Weather," and "My Rig's Final Input Power," as well as recommended procedure for sending name, QTH and signal reports. All amateurs were required to join the Patrol and

sign a loyalty oath or face social ostracism on the air.

Hams engaging in deviant conversations were soon forced off the air, as well as those who uttered such obscenities as "gosh darn" and "shucks," although "by golly" was proclaimed The Official Swear Word To Be Used in Times Requiring Great Emphasis.

The bands were systematically purged of misfits, rabble-rousers and weirdos.

The Golden Age of Amateur Radio had come. The airwaves resounded with a peaceful calm. Every amateur was sure that when he called CQ he could rely on a pleasant and encouraging answer giving him an S9 report (other signal reports had been banned) and a stimulating account of the weather (if it was sunny).

He could learn about the rig, and perhaps band conditions (if they were good). Indeed ham radio had found an era of goodwill and peace, and the quietude of the ham bands was enjoyed by all amateurs.

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(From WVARC "RandomWire")

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FLORIDA FAA NET

By George E. Cooper, W4EH

Setting here watching the baseball play-offs and trying to think of something to write about for this issue of FLORIDA SKIP. It's difficult to write something I hope will have some interest not only for the FAA net members but also all readers of FLORIDA SKIP.

So to start off with, being a strong supporter of ARRL, perhaps this is worth mentioning in this column.

I trust all ARRL members will participate in the coming elections for ARRL appointments as reported by Andy Clark, W4LYT in Oct. FLORIDA SKIP.

I was disappointed not to see the old

familiar call, K4KQ. Chuck Bolvin in the line up for re-election. Chuck as past DIRECTOR and VICE-DIRECTOR for many years has done a tremendous job and has rendered a great service for the Southeastern Division and I am sure I speak for all the SE Division when I say THANKS CHUCK.

It is important that the ARRL membership elect the best qualified men for these jobs.

Your support and vote will be important for the man of your choice... VOTE... 73 George

QFN NET REPORT

By Frank N. Haas, WB4HKP

This month QFN saw some new faces (keys?). We welcome WB4AHH in Homestead and WA4MJC in Panama City. We hope you stick with us. Net Manager, K4VPY, says that we had the best summer he has ever seen. All net roster assignments are now filled and things are going real fine especially with all the new and young operators.

We would also like to congratulate Regis Kramer, W4LE, who next month assumes the SCM position in E FLA section. We also wish to point out that our new SCM has been publishing one of the finest Net Bulletins for 5 years and has been doing an excellent job. Regis says that he will continue publishing the QFN Bulletin while he is SCM. He deserves a great deal of credit.

Best of luck also to the other candidates who are running for Director, Vice Director and in W FLA-SCM. All ARRL members are urged to vote when their ballots arrive and return them promptly.

K4LAN is now heard frequently on the net as he has returned from Miami Beach to his home in PNS.

Don't forget that QFN returns its operation to 80 meters exclusively, with the change of time from EDT to EST.

To wrap it up for this month, the word is out to new members and you regulars as well: There is a true test of your traffic

GATOR NET

By Ev, W4LA

GN was struck a grievous blow on September 26 with word from Birch, WB4AIW, that he was "resigning from Gator due to pressure of other projects. Will report in occasionally." We know that Birch is doing some Civil Defense organizing and sincerely hope that his absence from GN will be short-lived.

Buddy, WB4OMG, is taking over WB4AIW's Thursday NCS spot for the time being. In another NCS shift, Bob, WB4QVO becomes the Saturday NCS. Mike, K4VPY, was unable to handle it due to working on Saturdays.

Propagation conditions seem to have settled down for the season and shifts to 3651 kHz are seldom necessary now... SO, see you on 7115 kHz. 73—Ev.

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By W4KGJ

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FMTN	727	28.7	248	9.5	26
QFN	884	14.6	422	7.8	60
FAST	742	28.3	158	6.1	26
GN	376	12.3	181	8.0	30
FPTN	412	16.0	89	3.4	26
TPTN	257	11.6	59	2.6	22
QFTN	174	8.0	36	1.3	29
VEN	217	7.3	12	0.4	30
WFPN	503	—	22	—	30

TOP TWENTY TRAFFIC TAKERS

By W4KGJ

1. K4VPY	284
2. WB4AIW	278
3. WA4SCK	261
4. WB4OMG	247
5. WB4GHD	229
6. W4FPC	198
7. KOBAD-4	161
8. W4ILE	132
9. WB4HML	128
10. WB4MIQ	127
11. WB4HJW	104
12. W4DVO	79
13. W4SDR	75
14. WA4LJH	73
15. WB4QVO	71
16. W4NGR	58
17. WB4NCH	57
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handling skulls awaiting you when you volunteer for a Region Net rep spot. Unfortunately and frequently the various W3 need region reps. If you have the time give a yell and help us!

-3

FLORIDA PHONE TRAFFIC NET

By WINGER, Net Manager

Can't seem to figure how Florida's early morning net is so life in getting in a report to Florida Skip. Maybe it needs a new net manager. Anyone want to volunteer? Even at twice the pay?

We welcome into the net Al, WA4RGW of Crystal River and Jim, W4DTS from way up in Tallahassee. Both good signals, too. We will miss Herman, W4FJY from our net for awhile until he gets relocated in a new QTH. Herman was our best outlet for traffic to Puerto Rico and South America. Kilowatt drop-outs, W4FFF, W4AIEK, W4HLS, W4LAA, W4NNB, W4ONG, W4QIM, K4QYV and oh yes Jacksonville station, WE NEED YOU.

Anyone ever think of the traffic that could be handled from a ham station located at Disney World? 33 CASE

FLORIDA MIDDAY TRAFFIC NET

By Herb, W4LSH

Both our President Clyde, W4SDR and our Vice President Kelley, W4FJA are

home from hospital and recuperating from operations. Joe, W4AFGH, has been ill and absent from the net. Charlie, K4OER and Ma, KYL have been ill with virus infection since their return from a 9000 mile trip.

Dick, K4JEC and Ed, K4ERL are back on the net after being absent for awhile. Sandy, W44BY has moved to Aiken, S.C. but is still a regular check-in.

Herb, W4LSH and his Elmer, W4UTP gave each other a SWAN FM-2X for their 42nd wedding anniversary. New members in September were Charlie, W4SYL in June Beach, Gordie, K4EYT in Ocoee, Club, W4TAF in Riviera Beach and George, W4SFCZ in Panama City.

Let W44YT does equally well as NCD as he does in the Pulgit. We had several other fine substitutes while our

officers were ill. Ruth, W4HED, Mac, W4LJK, Bill, W44OVH and Lu, W4RTT all pitched in and helped run the net.

Our hearty congratulations to our old

friend and co-worker Reg, W4HLE, who will be using new SCAM for Eastern Florida. Couldn't have happened to a nicer guy.

We hope you made the Tampa Hamfest

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K4GFK ex W2IER
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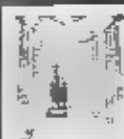
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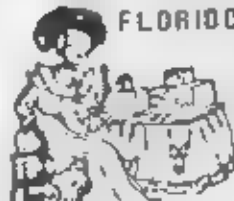
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RF VS SOLID STATE III

By Bob O'Connor, W4PFH

After reading the replies to my first article on this problem concerning the church organ and realizing that they run the whole gamut from portable radios to stereo units and other solid state devices running into the thousands of dollars, I decided that rather than try to supply some tips, which will come later, I find that the quoted F.C.C. field bulletin date Apr. 14, 1968 just about covers the problem from the amateur standpoint. This bulletin should be cut out, or this issue of SKIP carefully preserved as an argument against your being called to task, assuming your equipment is operating properly.

Because of the length of the bulletin I will reserve further comment until a later date.

Federal Communications Commission
Field Engineering Bureau
Bulletin

Manufacturers of audio devices for home use do not design such equipment to operate in the presence of strong radio signals from nearby radio or shortwave stations. Strong radio signals which cause interference to audio devices require that special treatment be given to the audio device receiving the interference.

"The Commission cannot give any protection to audio device from interfering signals. The only "cure" is by treatment of the audio device receiving the interference.

"You should, therefore, contact the dealer or manufacturer of your audio device (or telephone company for telephone interference) for assistance.

"The state of the electronics art is such that it is possible to manufacture "custom built" audio devices: that is, to install in the complete shielding and special circuits to reject nearly all types of unwanted signals. Cost of such special design and circuitry would necessitate an increase in the price of the devices.

"Perhaps less than one percent of the total number of audio devices in operation today will ever be located near enough to any kind of radio station so that the device would respond to undesired radio signals, which it is not designed to receive when in the strong field of a nearby station. If it does, it needs additional filtering or shielding, or both.

"Manufacturers believe it unfair to burden an entire population with the additional cost of special circuits and design inasmuch as the number of devices affected is relatively small. Therefore, in the less than one percent of the instances where interference is caused by insufficient rejection of strong unwanted signals by the devices, many manufacturers, dealers and servicemen have worked out procedures and processes for interference elimination in such specific cases.

"The statement of a salesman or dealer that he sells a good quality device, or that there is nothing wrong with the device, is not enough. Persons receiving the interference must fully recognize the situation involved. The audio device may be an excellent one in performing the task it was designed to do. Regardless of the quality of the device, special treatment of it for rejection of strong unwanted signals is essential in some localities.

"R.F. interference to transistorized audio amplifiers can be eliminated in most cases by connecting capacitors or both capacitors and R.F. chokes directly from base to ground of the input transistor. If the audio amplifier is part of a stereo system,



CASE, W4NGR CALLS the FSBA roll-call from the Sheriff's Boys Ranch club station WB4PHT in Live Oak, while W4MYH, W4AAZE (from SIGNAL ONE) and K4KE look on. K4KE says "We invite amateurs from around the state to participate in this program. Contact K4KE (club trustee) for details and arrangements."

PURE FANTASY

By David Michaels WB4OHH

A down hearted novice once said,

"My noggin must be full of lead

Though I study and cram

for the general exam,

I can't retain facts in my head."

Does a "Ham" gear have teeth like a saw?

and does unfiltered D.C. taste raw?

If the grid leak got wet,

would it foul up my set?

And just why did they pass "OHM'S LAW?"

He was under a mental delusion

Did a "Bleeder" need a transfusion?

Letter "N" is dash dot,

but what is a "Watt?"

His mind was in utter confusion

And then he started to think

Drew a sketch on a paper in ink.

of a coil and condenser

placed them in a dispenser

and swallowed it down with a drink

Now an extra class amateur is he

He became just as wise as could be

Just how did he work it?

gulping down that "tuned circuit"

increased his mental capacity

(HOLLYWOOD ARC BULLETIN)

then this has to be done on both channels. In interference cases of this nature the volume control is in the input circuit, consequently it has no effect on the R.F. interference.

(From Candlewood ARA, Danbury, Conn.)



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Asst. SCM E. Fla.
Regis R. Kramer
195 NE 16th St.
Miami, Fla. 33138

SCM West Florida
FRANK M. BUTLER, Jr., W4RKH
32 Elliott Rd., S.E.
Ft. Walton Beach, Fla. 32548

SEC East Florida
ANDY CLARK, W4YT7
41 Lenape Drive
Miami Springs, Fla. 33166

SEC West Florida
G.D. McKECHNIE, W4IKH
527 S. 4th St.
Chipley, Florida 32428

Asst. SEC East Florida
KEN STEWART, W4SMK
2287 Maple Ave.
Ft. Myers, Fla. 33901

Asst. SEC West Florida
T. H. GOLDSMITH, WB4EQU
40 Memorial Pkwy NW
Ft. Walton Beach, Fla. 32548

NET LISTINGS
QFN (All Florida)
7:00 p.m. on 7082 Kc
1000 p.m. on 3651 Kc
Fla. DX Club net
Sun. 10 a.m. 7082 Kc
FAA Sun. 9:45 a.m. 7260 Kc

FSBA Sundays
8 p.m. on 3940 Kc
FSBN Wednesday
7:30 p.m. on 3940 Kc

KNIGHTS OF BILOCYCLE
Sundays
7:30 a.m. on 3910 Kc

STATE QCWA NET
Noon, Sunday, 7254 Kc

**MOONPORT MICROWAVE
ASSOCIATION NET**
Sundays at 2100 EST
Frequency 146.5 mhz

GATOR NET (GN)
Daily 8:30 a.m. on 7115 Kc

**TROPICAL PHONE TRAFFIC
NET (TPTN)** Daily except Sun.
5 p.m. on 7282 Kc

**FLA. AMATEUR SIDEBAND
TRAFFIC NET**
(FAST) Daily except Sat.
6 p.m. on 3940 Kc

**WEST FLORIDA PHONE NET
(WFPN)**
6:30 p.m. on 3940 Kc Sat. 7 p.m.

**FLA. PHONE TRAFFIC
NET** Mon. thru Sat.
7 a.m. on 3940 Kc

FLA. MIDDAY TRAFFIC NET
Daily except Sun. at 12 noon
On 7254 Kc

QFTN—ALL FLA. TRAINING
C.W. Net Daily
5:30 P.M. — 7:00 Kc

GOLD COAST EMERGENCY NET
4 Mtrs. 52.45 mc Mon. 2000 local
2 Mtrs. 165.23 mc Tues. 2000 local

FLAMINGO NET
Friday, 7:30 p.m.
29.04 a.m.

CARIBBEAN EMERGENCY NET
14.25 Mhz. Sun. 1800 GMT
CARIBBEAN LOCAL NET
3900 — 3905 daily 0200 GMT
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islands. Weatherman 6Y5CC Host 6Y5EM

**BROWARD AMATEUR RADIO
CLUB W4AB**
2nd Wed. of month, 7:30 p.m.
2020 S. Andrews Ave.
Ft. Lauderdale, Fla.
Mailing Address: P.O. Box 8673
Ft. Lauderdale, Fla. 33310 More info. call
523-1512, 594-1277

**LAKE AMATEUR RADIO ASSN.,
INC. W4YKY**
Meets each Thursday 8:00 P.M. EST
Clubhouse, Springdale Ave.,
Bassville Pk., between Leesburg
and Tavares, Florida.
Mail to O. A. Thompson, K4LV, Secy.
Rt. 1 Three Lakes, Unstilla, Fla. 32784
Telephone 884-352-5148

**HILLSBOROUGH AMATEUR
RADIO SOCIETY, INC. W4GJJ**
Meets 4th Tuesday, 7:30 P.M.
Odd Fellows Temple
620 Nebraska Ave., Tampa, Fla.
Mail to: P.O. Box 984, Zip 33604
(33612) Visitors always welcome.

**DADE RADIO CLUB, INC.
(W4NVU)** 1st & 3rd Tuesday.
Museum of Science 8 p.m.
3200 So. Miami Avenue
Miami, Florida

Mailing address: P.O. Box 73
Biscayne Annex
Miami, Florida 33132

**ST. PETERSBURG AMATEUR RADIO
CLUB, INC. W4GAC**
Meetings: 1st Friday
Pinellas Community Service Center
2639 — 9th St. N.
Mailing address: P.O. Box 4026
For information phone: 362-7136 or 365-4382

**ORLANDO AMATEUR RADIO
CLUB, INC.**
3rd Wed. 8:00 p.m.
First Federal Savings & Loan
on Edgewater Drive. Mailing
Address: Box 13267,
Orlando, Fla. 32809
2 Meter Net — 145.350 KHz
Mon. thru Thurs. 7 p.m.
More info. call 2,7-0628

FLORIDORA YLs (W4FE)
All licensed Florida YLs invited to join.
Mailing Address:
W4ROB — Ernie McMasters
Rt. 1, Box 351
Lake Placid, Fla. 32862
1400Z on 3933 Tues. and
Wed. 5 p.m.

**DADE COUNTY AMATEUR RADIO
PUBLIC SERVICE CORPS. W4ERW**
Meets every 2nd and 4th Thurs.
Pace High School
15600 NW 32nd Ave., Miami.
Service to the public is our constant
concern.

**TAMPA AMATEUR RADIO
CLUB, INC. W4DUG**
Meetings: 1st & 3rd Mondays
7:30 p.m.
Club House: Davis Islands,
Columbia & Barbados
Mailing Address: 943 Cimmeron Ave.,
Tampa, Fla. 33605

**SARASOTA AMATEUR RADIO
ASSN. INC.**
Meets 2nd Tuesday of each month
8 p.m.
At Sarasota Federal (S. Gate Branch)
Club Call W4LE in memory of Charlie
Service.

**WEST PALM BEACH AMATEUR
RADIO CLUB, INC.**
P.O. Box 6834
Southboro Station
West Palm Beach, Florida 33405
Meetings: First Wednesday of each month
— 7:30 P.M.
825 Newark Street
West Palm Beach, Florida 33401
Information: Call 833-0775, 562-2337.

SOUTH MIAMI RADIO CLUB, INC.
K4JVA 1st Fri., 8 p.m.
Coral Gables Police Station
285 Aragon Avenue
More info call:
445-2578 or 328-2543

**DAYTONA BEACH AMATEUR RADIO
ASSOC. K4BV**
Meets 3rd Mon. each month
American Red Cross Bldg.
600 Volusia Ave.
Mail: P.O. Box 1608
Daytona Beach, Fla. 32015

**PLAYGROUND AMATEUR RADIO
CLUB**
Mailing address: P.O. Box 873
Ft. Walton Beach, Fla. 32548
Meetings—Social Meeting 1st Thursday,
Business Meeting 3rd Thursday.
Meet at the old Police Station on 1st St.

HOLLYWOOD AMATEUR RADIO CLUB
3rd Monday of month at 8 p.m.
Science Lab, Chalmers High School,
51st Ave. and Johnnie St., Hollywood
Mailing Address: P.O. Box 6308,
Hollywood, FL 33021 WB4TDN
Visitors always welcome

FORT MYERS AMATEUR RADIO CLUB
Meets 1st Wednesday of month at 7:30 p.m.
First Federal Savings & Loan Ass'n
Pondella Road (SR 78-A)
North Fort Myers
Sec. 193 Meta St., Fort Myers, Fla. 33906
684-3564

**BRANDON AMATEUR RADIO SOCIETY
WB4RNC**
Meets second Mon. 7:30 P.M.
First Federal Hospitality Room
426 Brandon Blvd. (Highway 90)
Mail Address: P.O. Box 828,
Brandon, FL 33511 Phone 689-2616

**NORTH FLORIDA AMATEUR
RADIO SOCIETY W4IZ**
2nd Thursday, 7:30 P.M.
Dural CD Headquarters
187 Market Street
Jacksonville, Fla. 32202

**CLEARWATER AMATEUR RADIO
SOCIETY**
Meets 2nd and 4th Tuesdays at 7 p.m.
at Florida Power Linemen's Hall,
2166 Palmetto St., Clearwater.
Pres. Norman Mesker, WB4GYB
Visitors warmly welcomed.

**TAMPA BAY REPEATER
ASSOCIATION
WB4HAE**
Meets second Tuesday each month at 1930
Tampa Civil Defense Headquarters
209 Brush Street, Tampa
Mail to P.O. Box 2812,
Tampa, Florida 33601
Phone: St. Petersburg 347-2270



Don't try Harold. The room is full
of electronic sensors!"



About now, Arnold, we should be
getting some sort of answer!"

DOINGS IN SOUTH FLORIDA

(Continued from Page 41)

graced my table.

But a short distance away was W4HE, Norm, of West Palm Beach, who was very active, in the N.Y. area, when W2DKJ was in operation at 40 Wall St., N.Y., and W2DKJ-2, was the station at the N.Y. World's Fair, before we were assigned W2USA. Also, Fred Cusick, formerly of Hempstead, L.I., and the Manager of the amateur TV, with Voice station, on the roof of the N.Y. Daily News Building, was with us! Done, originally, by amateur radio, TV, with voice, both

Congratulations to Regis, W4LE, upon his election to the job of SCM of E. Fla. We look

ways, accomplished at the N.Y. World's Fair in 1940, was never accomplished, even commercially, before 1969.

On Wednesday, I drove up to Sarasota, for the first, monthly meeting of the Subcoast Chapter of the QCWA, which, too, was most interesting and more will be told about it next month. 73.

FLORIDA PUBLIC SERVICE CORPS

By Ken, W4SMK

forward to working with him as we did with John, W4KGJ. We trust you ARRL members all voted in the elections for the important offices in your division and section. Voting correctly won't solve all our problems, but it is one step along the way. The fall newsletter from W4DQS was a good one, and be sure to mail in the questionnaire.

We have some new Emergency Coordinators in E. Fla., WB4HML in Broward Co., K4CMJ in Collier Co., and WB4TDB-4 in Monroe Co. Good luck in organizing your respective county communications gentlemen. WA4ABY has returned to S.C., so W4IYT has taken over again as acting EC for Dade Co.

How about some of you people in Dade Co. giving W4IYT a hand with the EC chores? Andy says he is willing to hold the title of EC if he can get some reliable help to do the work of Assistant EC's in the many areas of the county. In addition to working full time with ARINC, being Editor of Fla. Skip, holding down the SEC job, and the EC job, and being Red Cross communications man, and taking care of a rather large family, W4IYT has very little to do. If you want to lend a busy fellow a hand, and do something for Dade Co. how about giving W4IYT a call? It's your county too, remember?

Those Florida hurricanes seem to hit everywhere but Florida these days. We aren't

complaining mind you, but let's not get too complacent and be caught with our guard down. The first thing the California earthquakes showed was that many of the emergency generators there would not run, or broke down quickly. Even if we don't have a real emergency this year the Simulated Emergency Test will come along in a few months, so be ready guys and gals.

DIODES MANY USES

By Don Patzsch, K4EDA

Sometimes we forget about the applications other than radio for solid state parts. Take the diode for example.

Suppose there were a light fixture that was difficult to reach. How would you make the lamp last longer than usual? One way is to reduce the voltage by using a transformer, but another way is to use a simple diode, disconnect one wire from the light switch, and put a 600 PIV 1 amp diode in series with the wire. The standard incandescent light bulb will now last five years, rather than the usual 750 hours (about three months of 10 hour a day burning). The light output will be less, but not a great deal less. Try it. It would work equally well with dial lamps or any other lamp, as long as it is an incandescent lamp. The power delivered to the lamp is just one half of what it was. Therefore, to increase the light with use of the diode, you may want to double the wattage lamp used. Try it. The off, dim, bright light switch works this same way; in off position the wire is disconnected, in dim position the diode is in series, and in bright position, the diode is shorted out. To enhance the difference between dim and bright, special diodes are used. Let's say we want very dim and also full brightness—we may use a triac that will not fire until say 45° into the cycle. We can then accomplish the desired result, but if we leave the lamp in the dim condition, the life of the lamp is many times that of the rating. Have you thought about that factor?

(From Slant Bars—WA4YNW)



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Non-subscribers rate is \$1.00 for 35 words and 5 cents each additional word. To Commercial Business: Classified, undisplayed — 50 cents per line, illustrative or General Display with border — \$1.50 minimum, \$70 page, including lay-out.

Deadline 10th of month for all ads. FLORIDA SKIP, INC., Advertising Department, P. O. Box 301, Miami Springs, FL 33166.

FOR SALE: Argonne AR-57 xtal mike \$3.00. Johnson 100 kHz calibrator with xtal and instructions \$9.00. Dual 4X5 steel, grey QSL file cabinet — holds about 2000 cards \$4.00. Collins transformers, chokes. What you need? Globe Chief 75 watt Novice rig \$30.00. Johnson flat-wire-type 2kw final tank coils, \$4.00 each. Andy Clark, W4YIT, 41 Lenape Dr., Miami Springs, FL 33166 Phone 888-3974.

FOR SALE: AC VTM's. Hewlett Packard 400DR \$50.00. Ballantine 314 \$35.00. Both perfect. R. D. Galloway, 2220 Woodbury Rd., Eau Gallie, FL 32935.

WANTED: 12 to 20 ft parabolic dish. Must be useable to 2300MHz. Any information or leads on obtaining one of these will be appreciated. Also for SCR-584 or similar pedestal. Joe McCormick, W4YOI, P.O. Box 1335, Lake City, FL 32655 Phone 904-752-0628.

FOR SALE: NEW GLADDING 25 watt two meter FM transceiver with a.c. supply and mobile gain antenna \$225.00. Might consider trade for HF c.w. transmitter or RTTY equipment. Hank Roth, K4EYV, 4708 SW 136th Ave., Ft. Lauderdale, FL Phone 583-7885.

FOR SALE: Hallicrafters SR-42, 2 meter transceiver with 3 crystals and HA-36 VFO for same. Turner PTT mike mint condition. All manuals, first \$100.00 takes it. Hal LaMarche, K4DG, 2634 Thomas St., Hollywood, FL 33026 Phone 922-7130.

NOVICE CRYSTALS: 80 meter band only, 1.00 each, cash and carry. Type 1093, inch pin spacing. Frank Threuttt W4JO, 2152 SW 2nd St., Miami, FL 33135 Phone 643-7287.

MUST SELL: entire station. Elco 730 with 5 crystals, Drake 2B with 2AQ, Q mag. 13 meter dipole, 100 feet coax, key and other station accessories Paul Wiles, WN4QAE, 5111 - 8th Ave. Dr. W., Bradenton, FL 33505.

FOR SALE: TELEREX tri-band beam \$60.00. B&W 5100B transmitter with 315B sideband generator, like new condition \$100.00. Millen scope 80 thru 6 meters, like new condition. \$40.00. Multimeter VO20 military TS-352U, good condition \$25.00. Rudy Baker W4ROY, 308 W. Mashta Dr., Key Biscayne, Fla. Phone 361-2665.

FOR SALE: Collins, 75S-1, 32S-1, 516F-2, 30L-1, 312B; Simpson Meter, Coax Switch, Antenna. From the estate of K4IS. Contact David M. Buggles, K4DAY, 1 San Jose Circle, Ormond Beach, FL 32074.

ESTATE SALE: Tecraft 300 MHz equipment CC-5 220 converter, TR-2 20 transmitter, PTR-2A power supply — all three for \$25.00. Hallicrafters SR-2000 Hurricane transceiver and P-2000 power supply, good condition \$750.00. Come try it out. Edgar E. Metz, K4FDO, 166 Oakwood Dr., Grove Park, New Port Richey, FL 33552.

FOR SALE: New EICO 751 Power supply with speaker good reg with swinging choke, good for any transceiver \$50.00. Millen GDO with case \$50.00. Power transformer 115 v.a.c. Pri. 3500-4000 v.a.c. See 40 pounds, hipersil core \$20.00. R.S.G.B. Radio Communications Handbook new \$5.00, sells for \$12.95. Joe Damento, W4SKK, Rte. 1, Box 930, Merrill Island, FL 32952.

WANTED: Heath SB-110 in good condition. John W. Nall, WB4LOQ, P.O. Box 2563, Tallahassee, FL 32304.

MUST SELL: SX 101 Receiver, good condition. Motorola Motrac 2 meter transceiver complete with mike, speaker, antenna and Xtals for 140.94. Never been used. Will accept best offer. A. W. Tyler, WB4IEB, 5010-48 N.E. Waldo Rd., Gainesville, FL, 32601, Phone 904-372-5882.

FOR SALE: Heath HW-30 2 meter Transceiver \$28. Multi-Elmac Model PMR7, Trans-ciler VFO 40 watts Model AF67 and power supply for 6, 12 and 110V. Bill Condon, K4UKF, 3940 NW 168 St., Opa-locka, FL 33054, 305-634-5914.

FOR SALE: Elect caps 2,000 uf at 50V \$1.00, 90,000 uf at 20V \$1.50, 2N441 & heat sink \$1.00, IN749A 43V 3 percent 400 MW zener 10-\$1.00. Please allow for postage. Tom Larry Nurmi, WN4RZO, 707 Harth Drive, West Palm Beach, FL 33406, 305-583-2971.

FOR SALE: Mosley TA-33 Beam, Excellent condition. \$50.00 or best offer. Ten-Tec PM-3A Transceiver, AC-5 Antenna Tuner, make offer. Ray Peterson, W4KLX, 3384 No. Wendover Circle, Youngstown, OH, 44511, Ph. 214-793-3257.

FOR SALE: Heath HW 16 Transceiver, good condition, including xtals for 15, 40 and 80 meter bands. \$65.00, plus shipping charges. Larry Schmitz, WB4JJQ, 2115 East Amelia Street, Orlando, FL 32803, Ph. 341-2207.

FOR SALE: Hammarlund Keyer \$20.00. Ship your expense. F. I. Jackson, W4CEH, 1717 Meredith Lane, Belleair, FL 33516, (813) 581-6846.

FOR SALE: HW-12 with manual and calibrator. Excellent condition. Minor modification permits CW operation in addition to SSB. Easily un-modified. \$65.50. C. C. Gantt W4WWL, 1411 Menna Street, Jacksonville, FL 32205, Ph. 388-0626.

FOR SALE: Swan 250C. Absolutely mint condition. About one year old. Less than 10 hours total time. The above includes Outboard 210 VFO, VOX, NS-1 Noise Blanker, (17XC power supply, Turner desk mike, 4 Element Hy-Gain Beam, Lake New, 100 ft. Coax. Drake low pass filter plus cavity filter. All Swan items in factory sealed cartons. Returned to factory for annual check up, and complete alignment therefore carries Swan approval as of October 1, 1971. Reason for selling no time and lost interest. Contact Ann Bandy, W4FEU, 3897 N.W. 36th St., Ft. Lauderdale, FL 33309, Phone 366-7311-0167.

ESTATE SALE: Heath SB-301 receiver \$240.00. SB-441 transmitter \$360.00 or both \$475.00. 4 element Hornet tri-band beam with extra traps for 40 and 80 meter \$100.00. Whip antenna \$10.00. CQ magazine Sept. 1956 to Dec. 1965 (Nov. 56 missing), \$18.00. Mrs. Harold Cutler, 1514 Palmetto St., Clearwater, FL 33515 Phone 813-442-8058.

SELL: New, never used, Turner M-20 Mike \$22.00. BC221 Frequency meter, AC supply, original calb. book and complete technical manual \$45.00. Paco G30 RF Sign. Gen. 160kc to 240Mc with manual \$30.00. All items FOB. D. B. Sprow, W4E2C, 1442 Gramville Dr., Winter Park, FL 32789, 305-644-9406.

TRANSFORMERS REWOUND: Jess Price, W4CLJ, 547 Raehn Street, Orlando, FL 32806, Phone (305) 425-7251.

DIGITAL Dial NCX-5 transceiver for sale, with remote extra VFO. AC supply, speaker, and calibrator, \$450.00. Write for photo. Lou Persons, W4PJG, 1913 Aqua Lane, Ft. Myers, FL, 33901.

TELETYPES — M-15 Auto. CR-LF, \$27.50, tape winders (wind up) \$12.50, gears galore. Send SASE for complete list. Wanted LXD's any condition. All parts. Models 32, 33. TYPETRONICS, Box 8823, Ft. Lauderdale, FL, 33310. W4NYF.

FOR SALE: SWAN TV23 2 meter transceiver, 50 MHz IF. \$135.00 Firm, terms CIP. Forrest K Haynes, K4YPO, 4419 Forest Road, West Palm Beach, FL 33406.

FOR SALE: LIKE NEW SWAN Mark II linear amplifier and power supply. Turner Plus two mike. WANTED: Mobile antenna for 40 meters. A. W. Tyler WB4IEB, 5010-48 N.E. Waldo Road, Gainesville, FL 32601 Phone 904-372-5888.

VERY HAPPY to say that as a result of my Hambar in SKIP, I sold my Collins 31S1 and 82S1. Thanks! Don, W4ACT, Naples, Fla

FOR SALE: NC-270 National receiver \$100.00. Viking Challenger transmitter \$60.00. Larry Yore, WB4QLH, 645 N.E. 173rd Terr., North Miami Beach, FL 33166 Phone 651-5415.

FOR SALE: Gonset SB-120 needs just a little work. \$80.00, or make offer. J.M. Gager W4KNG, 2390 NW 5th St., Miami, FL 33125 Phone 642-4119.

FOR SALE: NATIONAL NCX-5, NCX-A, XCU-27 excellent all \$350.00. Will ship your expense. F. I. Jackson, W4CEH, 1717 Meredith Lane, Belleair, FL 33516 Phone 813-581-6846.

FOR SALE: KWM-2 portable power pack, jumpers and manual. Collins 50P-1. Sell 50 percent off list price. FOB Naples, Florida. Don Queeney, W4ACT, 23 Crooked Lane, Melaleuca Village, Naples, FL 33960. 813-774-3055.

FOR SALE: Completely wired, factory aligned, never used, Heath HW-14 Transceiver \$100.00 plus shipping. In unopened carton as returned from Heath. Recv. sensitivity: 4UV+10db. Trans. output 50 wts. Exceeds factory specs. Clarence Mulligan, W4VAP, 150 Coral Circle, South Daytona, FL 32019.

FOR SALE: Have 2 Motorola H-23 FM radiophones with crystals, batteries and schematics tuned in 146.94. Also one set of crystals for 34.75 and 4 element beam \$115.00. Nagraivon FM-20 AM-FM stereo in walnut case, matching speaker and outdoor antenna \$55.00. **LOOKING FOR:** T433 Jr. Brian Clark, WB4FHW, 1124 NW 30th Ct., Ft. Lauderdale, FL 33311 Phone 305-565-0905.

BASIC REFERENCE LIBRARY FOR ANTIQUE GEAR COLLECTORS

The sub-hobby of collecting old gear of the 20s is growing and the available reference material is becoming more unavailable and limited. If the collectors field includes old Broadcast sets, the basic volumes in his reference library should be Volumes I and II of the old Riders Manuals. These carry schematics of the earlier BC sets and give part specifications in so far as resistors and condensers are concerned.

Many of the older Radio shops will still have these sets of Riders Manuals and usually will sell Volumes I and II for a fair price, since they certainly have no service-orientated need for them.

Check around the dusty corners of the older shops and see what you dig up . . . who knows you might find a real goodie in the way of a set.

de W4NED

SAROC CONVENTION

SAROC fun convention, Flamingo Hotel, Las Vegas, Nevada, January 6-9, 1972. Group flight vacation plan, roundtrip via National Airlines, deluxe hotel room, dinner show, SAROC advance registration, cocktail parties, some meals, transportation to and from McCarran International Airport, Tax and Gratuity on all items listed. We need fifteen or more prepaid adult fares from each departure city to qualify for group rate. \$255.00 per person from Orlando or Tampa; \$265.00 per person from Miami, double occupancy in hotel room, \$20.00 per person additional for single occupancy in hotel room. Contact Mr. Ted Wayne, WB4CBP Miami or SAROC, Box 73 Boulder City, Nevada 89005 for complete details.

THOSE AEROSOL CANS

By Geo. Sperry, W4UKA

W4UE, Bob Gray, in Ocala had an unfortunate experience recently. He sprayed his Galaxie band switch with something that either attacked the plastic of the switch or maybe it contained some type of flammable chemical and a small fire resulted.

There have been some articles on sprays in various electronic publications. Here is a quick summation that may prevent someone else having this happen.

Aerosol cans usually use Freon 12 as a propellant. The pressure varies greatly with temperature. At 70 degrees it is around 70 lbs, but let the sun shine on it a while and you will have a bomb.

One of the very best cleaners is Freon 11. It has altogether different characteristics than F-12.

In times past the contents of these aerosol cans has been a mystery. However, lately, the manufacturers have been forced into saying what it will or won't do.

Read the label before buying. Look out for those that say "flammable mixture," "harmful to plastics," "will not harm insulators," "will not affect electrical characteristics," "leaves no residue," "non-conducting," and of course, non-flammable.

Usually the trouble with switches is dirt. Poor contact. A spray cleaner will do the job very well.

Lubrication is debatable. Lubricant is very apt to collect more dirt and away-we-go again. Sprays containing silicone — after the switch contacts have been cleaned — used in very small quantities would be in order.



MEET LES BROWN, WANOG of Pensacola, new net manager of the West Florida Phone net which meets daily on 3957 at 5 PM CST. Les runs the Collins S line and racked up over 500 phone patches on 20 meters last month. Congrats OM! (Photo by W4IKB)

FLORIDA FIRST IN U.S.A.

(Continued from Page 1)

June 1 to allow time for manufacture.

4. Ham tags can be bought in the middle of the year.

5. Amateur license must be valid at time of application, but need not have a full year to run before expiration.

6. Car must be titled in some state, or Florida title applied for. If not titled in Florida, information on title must be supplied.

7. Novices can be issued ham tags.

8. Other than 4th district amateur call tags will be issued.

9. Not required that equipment be installed in vehicle.

SUPPORT SKIP ADVERTISERS

The "no-no's" seem to be kerosene, benzine or denatured alcohol. If you have some doubts, spray some on a rag and smell it.

FLORIDA SKIP, Box 501, Miami Springs, Fla. 33166

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WORLD SKIP

By Phil Reid, WB4ONC

There should be ample opportunity to work many new ones in the up-coming CQ World Wide DX Contest. The phone section will be held October 30 and 31 and the CW portion on November 27 and 28. Several DX-peditions are planned for the Phone portion. The propagation conditions are expected to be fair to good during the contest period.

DX-PEDITIONS

7Q7 — Malawi — ZE1CY will be operating from Malawi during the phone portion of the CQ WW DX contest. His call will be 7Q7CY.

VS9K — Karaman Is. — K3BSY currently operating 9E3USA is trying for a January try at VS9K land.

VR1 — British Phoenix — KB6CT has now acquired his license for this rare spot. He can be found between 14.280 and 14.300 around 0100Z using the call VR1AB.

RARE STATIONS ACTIVE

4W1AF — Yemen — Heard on 14.290 at 1800Z

AC5TY — Bhutan — on 14.020 at 1400Z

JD1ACF — Bonnin Is. — 14.175 at 0400Z

ZL3PO-c — Chatham Is — 0730Z on 14.168

BY1BA — China — on 7002 at 1306Z.

YI1MV — Iraq — 21.030Z at 1700Z

It is reported that stations BY1AA and BY1AB active recently are fakes apparently originating from a VS6. The beam headings from stateside appeared to be ok because VS6 and BY are so close to each other.

It is also rumored now that XU (Cambodia) is about to become legal for the U.S.

\$6.00 per year for the United States series, and \$4.50 per year for the Foreign series. The subscription is on a consecutive, annual basis only.

The "new information service" is an option feature for the purchaser of the December complete CALLBOOK. The subscriber has the opportunity of keeping his CALLBOOK up-to-date through this quarterly information service.

A four-year subscription to the December edition only, will be offered at the previous subscription rate of \$30.00 for the U.S. and \$22.00 for the Foreign, both postpaid.

GOLDWATER BILL

President Nixon signed the Goldwater bill S-485 last month and it has become PL 92-81. This provides for eligibility to amateur license examinations on the part of aliens moving here intending to become citizens. At the moment procedures have not been fully worked out, but applications using both the regular Form 610 and the reciprocal Form 610-A, are being accepted by FCC, Washington 20554 with the normal filing fee of \$9.00 (except for Novice). Applicants will have to complete an examination later. (W1RW in Dir. Letter 1404)

50TH ANNIVERSARY MARKS NEW APPROACH IN PUBLICATION OF THE CALLBOOK!

As a result of a nationwide survey, the CALLBOOK is changing to one major edition per year, with no change in price. Publication date is December 1st, beginning with the Winter 1971-72 issue.

However, a "new information service," in CALLBOOK form, consisting of new licenses, silent keys, call letter and address changes for the preceeding three months, will be initiated on a quarterly basis — every March 1, June 1, and September 1 — to those who have purchased the previous December issue. This information service will be available by subscription only, through the order form printed in the December edition. The price for this service will be